

National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices

For:

Bench Scale or Weight Classifier
Digital Electronic
Model: PS90
 n_{\max} : 3000
Capacity: 150 lb x 0.05 lb (60 kg x 0.02 kg)
Platform: 15.75" x 19.75" (400 x 500 mm)

Accuracy Class: III

Submitted by:

Mettler-Toledo, Inc.
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Standard Features and Options

Semi-automatic (push-button) zero
Automatic zero setting mechanism (AZSM)
Initial zero setting mechanism (IZSM)
Remote printer capability
AC/DC adapter
External lb/kg conversion
RS-232 communication port
Stainless steel platter
Liquid crystal display (LCD)

Options: Ball top platter
Roller top platter

Load cells used: Mettler-Toledo MT1241-100, 100 kg capacity

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: January 3, 2000

Gilbert M. Ugiansky, Ph.D.
Chief, Office of Weights and Measures
Issue Date: January 12, 2000

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Mettler-Toledo, Inc.
Bench Scale or Weight Classifier
Model: PS90

Application: General purpose bench and counter scale.

Identification: The required information is on an adhesive badge under the platter attached to the base of the scale.

Sealing: The scale can be sealed with a wire security seal threaded through a hole in the display mounting bracket and a drilled head screw that secures a plate covering the circuit board to prevent access to the calibration and configuration switch.

Test Conditions: The emphasis of the evaluation was on the device design, operation, marking requirements and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were performed. The scale was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half scale capacity was applied to the scale 100 184 times. The scale was tested periodically during this time. Tests were also conducted with a power supply of 100 VAC or 130 VAC.

The results of the evaluation indicate the device complies with applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 2000 Edition

Tested By: E. Matthews (OH), W. West (OH)